

Title (en)

ASSESSMENT METHOD FOR A MULTI-PHASE POWER SYSTEM

Title (de)

PRÜFVERFAHREN FÜR EINEN MEHRPHASIGEN STROMVERSORGUNGSSYSTEM

Title (fr)

PROCÉDÉ D'ÉVALUATION DANS UN SYSTÈME DE PUISSANCE MULTIPHASÉ

Publication

EP 3029478 B1 20190710 (EN)

Application

EP 15192070 A 20151029

Priority

GB 201421135 A 20141128

Abstract (en)

[origin: EP3029478A1] A method of assessing a condition of a multi-phase power system comprises the steps of: acquiring a voltage signal and a current signal for each phase of the multi-phase power system; calculating a product of the voltage signal for each phase of the multi-phase power system with one of the current signals such that the product is between a voltage signal for one phase and a current signal for a different phase for at least two of the products; summing the calculated products; and identifying the possible existence of a fault in the multi-phase power system based on a frequency analysis of the summed calculated products.

IPC 8 full level

G01R 31/34 (2006.01); **G01R 29/16** (2006.01); **G01R 31/08** (2006.01)

CPC (source: EP US)

G01R 29/16 (2013.01 - EP US); **G01R 31/40** (2013.01 - US); **G01R 31/343** (2013.01 - EP US)

Cited by

CN110824316A; CN109991481A; CN110061475A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3029478 A1 20160608; **EP 3029478 B1 20190710**; GB 201421135 D0 20150114; US 10509078 B2 20191217; US 2016154065 A1 20160602

DOCDB simple family (application)

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